

# Aryan Jairath

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## EDUCATION

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### Rutgers University-New Brunswick

Piscataway, NJ

*Bachelor of Science in Computer Science, Minor in Data Science*

*Sept. 2021 – May 2024*

- RU: School of Arts and Science Honors Program
- GPA: 3.92/4.00
- Dean's List: (Fall 2021, Spring 2022)
- Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Discrete Structures I, Physics I, Physics II, Calculus I, Calculus II, Introduction to Computer Science, Linear Algebra, Structure of Information.
- Clubs/Organizations: Rutgers University Security Club

## EXPERIENCE

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### Teaching Assistant(Java)

May 2020 – Aug. 2020

*Genesis Code*

*Plainsboro, NJ*

- \* Taught lessons plans with 50+ students advanced Java concepts such as polymorphism, inheritance, and interfaces and also assigned a JavaFX game development project
- \* Generated \$2,000 dollars in donations that went towards equipment for the organization such as projectors and additional computers for those who could not access common IDEs
- \* Reinforced concepts with limited computer access through exercises such as determine the output and big O analysis questions depending on experience
- \* Communicate with other tutors to create presentations and tutorials for students
- \* Troubleshoot computer problems and debug programs brought by students

## PROJECTS

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### Portfolio-Website | *JavaScript, ReactJS, HTML, and CSS*

June-July 2022

- Developed a personal portfolio website using React components and props, components styled in CSS
- Optimized for mobile, tablet, and desktop
- Web-app deployed using GitHub Pages
- Gaussian blurring attributes to certain components

### Weather App | *Java and JSON*

August-September 2021

- Weather Application with live animations for Android Devices
- Called OpenWeatherAPI and received data in JSON, called data using Input Stream
- AsyncTask enabled the UI to alter based on the weather and time of day

### PaintProgram with GUI | *Java*

February 2021

- Drawing application where user can pick pen size, color, make predefined shapes draw with mouse/touchscreen
- Filechooser lets user save a drawing or load up an old one to continue working on
- Menu bar has options to redo, undo, free draw, and clear canvas

## TECHNICAL SKILLS

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**General:** Object-Oriented Programming, Mobile Application Development

**Front-End Languages:** JavaScript, XML, HTML, CSS

**Back-End Languages:** Java, Python, C/C++, MySQL

**Frameworks:** React

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Code::Blocks

**Libraries:** JavaFX, pandas, NumPy, Matplotlib